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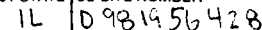
5E0301
A0101

High - State St
7-3087

EPA FORM 2070-12 (7-81)

HGEIU

#00900 MB



I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

ISGS Bulletin
TEPA PW. E.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D981956428

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED

5500

02 ☐ OBSERVED (DATE 6-11-85)
04 NARRATIVE DESCRIPTION

POTENTIAL ALLEGED

Location of potential contamination is in the area of the old gas station. 22 PPB Dichloroethylene, 11 PPB chloroform, 111-Trichloroethylene, 1 PPM Benzene.

01 ☒ B SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Water in the creek is contaminated in shallow sands and gravel. Most probably discharge to Mokol Creek.

01 ☐ C CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

UNKNOWN

01 ☐ D FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

UNKNOWN

01 ☐ E DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

UNKNOWN

01 ☐ F CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED

(ACRES)

5500

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Soil contamination and presence of surface contamination is the probable source of groundwater contamination.

01 ☐ G DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED

02 ☒ OBSERVED (DATE 6-11-85)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

See A

01 ☐ H WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

Unknown

01 ☐ I POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

Unknown



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D 981956428

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills runoff standing liquids leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

Well #6 is a...
Section...
A grant from the state is paid...
...from due to...
...well.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Public Files
EPA Library

Executive Summary

Harvard public water supply wells were tested in early 1985 and were found to be contaminated with organic solvents. At that time, four wells #3, #4, #5, #6 were part of Harvards Municipal Water supply system. The most contaminated wells, #3, #4, and #5 were removed from service and Well #6, only slightly contaminated, wasn't capable of meeting peak demand. Early this year, a new well was installed with the help of a \$250,000 state grant. All wells are tested quarterly and some work is being done to identify the source or sources of contamination. Well and contamination information are listed below:

The #3 well was drilled in 1929 to 78 feet below and surface. Fourteen inch iron casing was installed from surface to 71 feet. The well was screened in glacial sand and gravel. Contamination was first discovered on June 11, 1985 with .2 PPB Dichloroethylene, .8 PPB Chloroform, 1 PPB 1-2 Dichloroethane, .3 PPB 1-1-1 Trichloroethane, .1 PPB Dichlorobromomethane, 150 PPB Trichloroethylene. Followup testing was done on March 24, 1986 when 133 PPB Trichloroethane was found.

The #4 well drilled in 1946 to 69 feet below land surface. Twenty-six inch casing was installed to 49 feet. The well is bronze screened in sand and gravel to 69 feet. Contamination was first identified on June 11, 1985 with 19.1 PPB Trichloroethylene. A follow up sample on March 24, 1986 had 53 PPB Trichloroethylene contamination.

The #5 well was drilled in 1958 to 68 feet below land surface. Twenty inch casing was set to 48 feet and the well was screened in sands and gravel to 68 feet. Contamination of organics solvents was first identified on March 26, 1985. Follow up sampling on June 11, 1985 contained 1.4 PPB 1-2 Dichloroethane, 6.8 PPB 1-1-1 Trichloroethane, .1 PPB Carbon tetrachloride .5 PPB Dichlorobromomethane. On March 4, 1986 53 PPB Dichlorobromomethane was identified from the third round of sampling.

The #6 well was drilled in 1963 to a depth of 197' below land surface. Twelve inch casing was installed to a depth of 131 feet. The well is screened in two intervals, 131 to 154 feet, 185 feet to 197 feet and are separated by 10 inch casing. The well is open to fine to coarse grained sands and gravels. Contamination was identified on June 11, 1985 as .7 PPB 111-Trichloroethane and .1 PPB Dichlorobromomethane. Initial sampling of the well on March 24, 1985 showed contamination of 1 PPB Trichloroethane.

TE:st:2739g,sp8

